



Payload 3 Daily Flight Report



Date: 2020-06-27

Flight Campaign ID: P3C1

Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO

Domain: 10 (Central Plains)

Sites Flown: RMNP_P1 (Rocky Mountain National Park Priority 1)

Days left in Domain: 9

Report Author: Elissa Barris

Lidar Operators: Elissa Barris

Spectrometer Operators: Cameron Chapman

Pilots: Justin Eddington, Lane Taylor

Ground Crew: Mitch Haynes

Flight Hours: 1:17

Hours until maintenance: 90.83

GPS Instruments: 03 - RMNP, AOP_KBDU

Summary

A brief period of cloud-free skies over Rocky Mountain National Park this morning allowed for the successful collection of four priority lines in green conditions.

Concerns

None

Comments

Mitch returned to CPER to retrieve the temporary GPS station that was setup as a backup. The equipment ended up being redundant since the permanent station was verified to be functional; however it had been disturbed by resident cattle and will need to be inspected for damage.

Daily Coverage

Estimated Cloud Cover Key

Green:	Yellow:	Red:
0-10%	11-50%	>50%

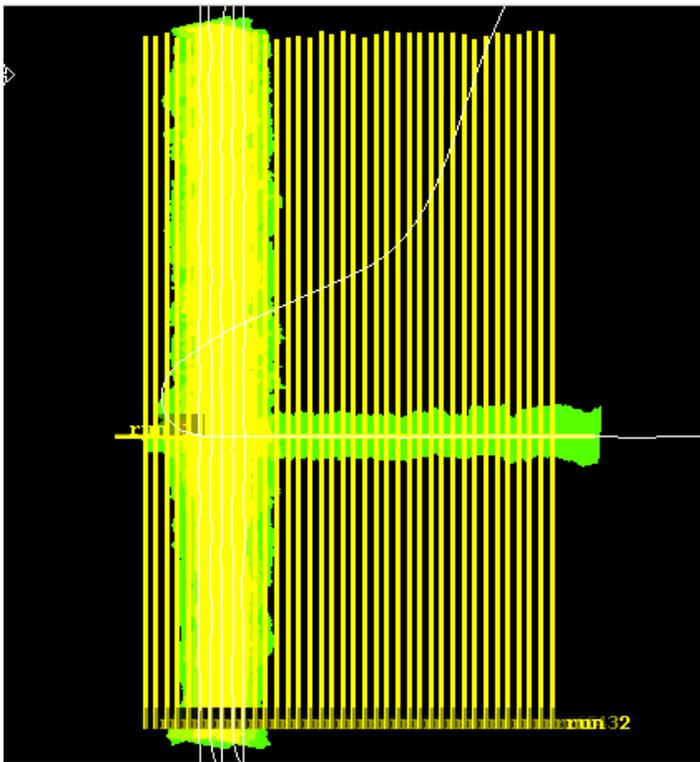
D10|RMNP_P1

Line #	30	31	32	33	34
Lidar	✓	✓	✓	✓	✓
Spectrometer	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓
Cloud Cover					

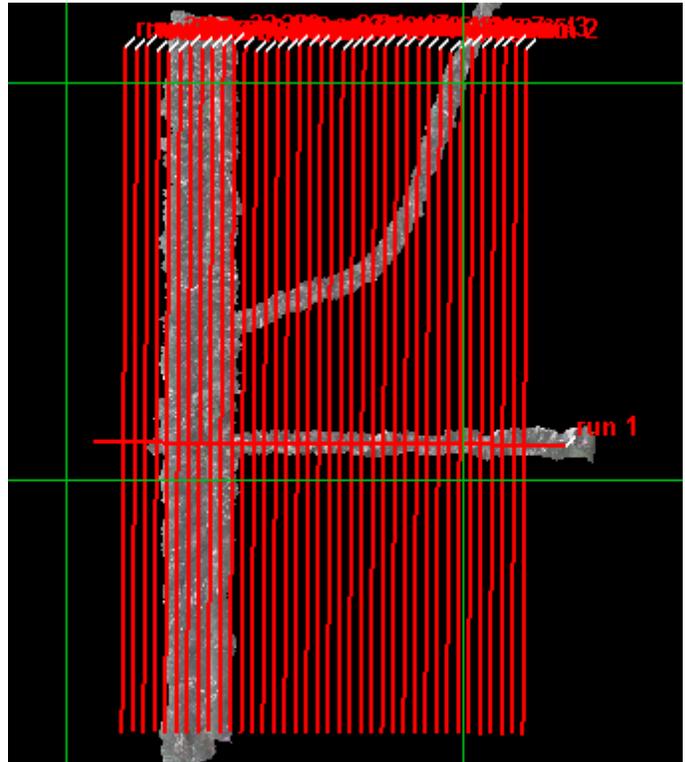
Total number of lines flown: 5

Flight Screenshots

Lidar



NIS



Pictures



13er Mount Meeker and 14er Long's Peak, just west of the RMNP tower airshed.

Cumulative Domain Coverage

D10|ARIK (Arikaree River)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35						

Flown: 97% (34/35)
 Green: 31% (11/35)
 Yellow: 46% (16/35)
 Red: 20% (7/35)

D10|CPER (Central Plains Ecological Range)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
21	22	23	24	25	26	27	28													

Flown: 100% (28/28)
 Green: 100% (28/28)
 Yellow: 0% (0/28)
 Red: 0% (0/28)

D10|RMNP_P1 (Rocky Mountain National Park Priority 1)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39		

Flown: 15% (6/39)
 Green: 15% (6/39)
 Yellow: 0% (0/39)
 Red: 0% (0/39)

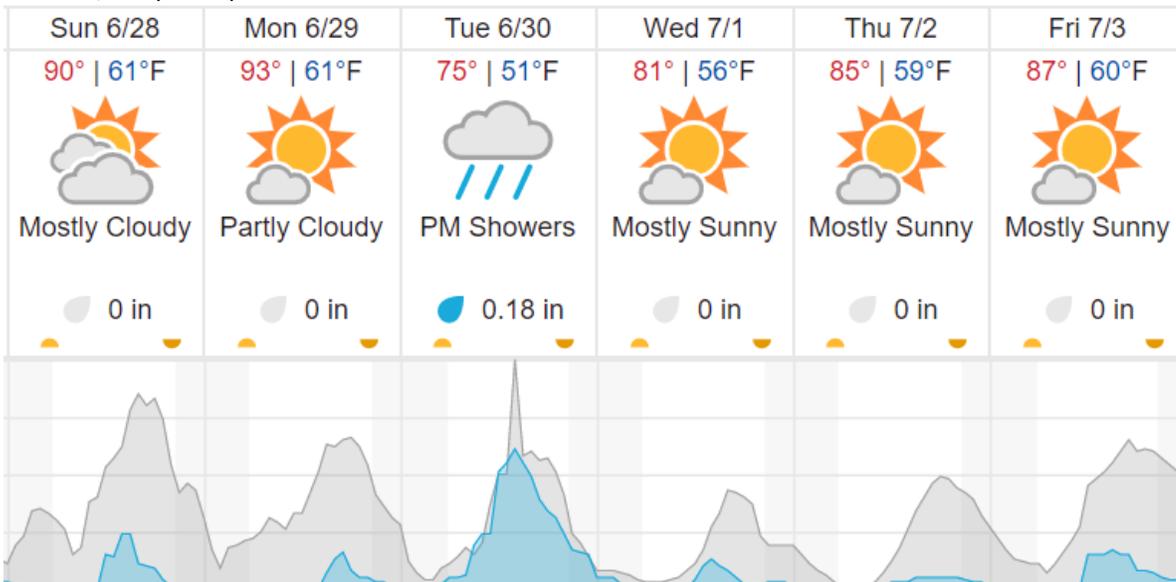
D10|RMNP_P2 (Rocky Mountain National Park Priority 2)

40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
60	61	62	63	64																

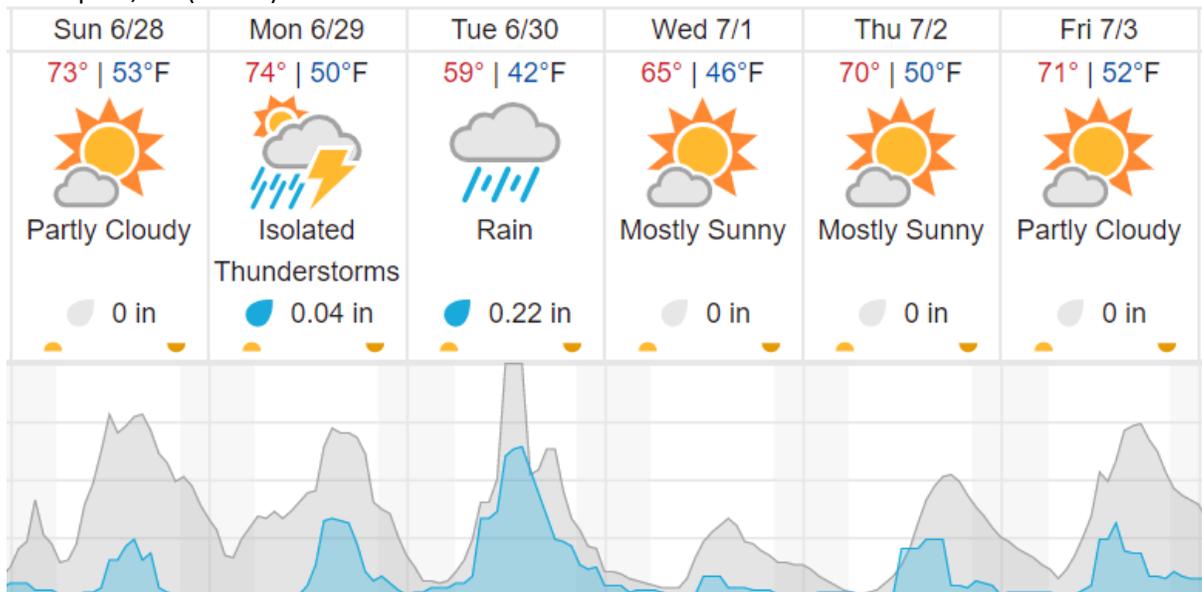
Flown: 0% (0/25)
 Green: 0% (0/25)
 Yellow: 0% (0/25)
 Red: 0% (0/25)

Weather Forecast

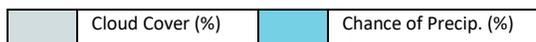
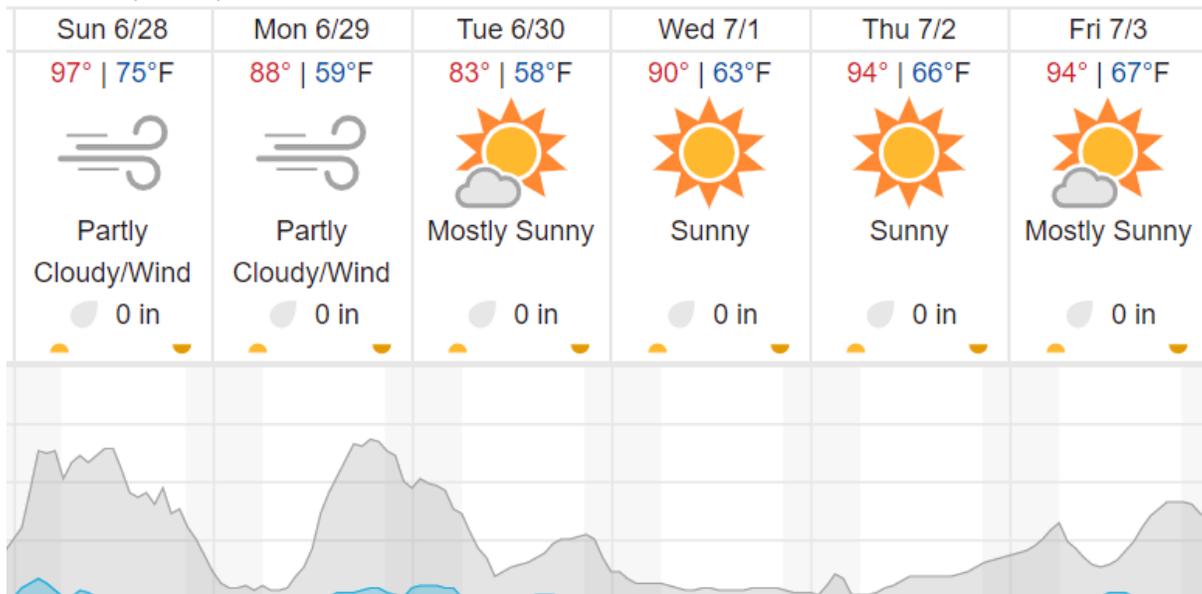
Boulder, CO (KBDU)



Allenspark, CO (RMNP)



Moab, UT (MOAB)



Flight Collection Plan for 28 June 2020

Flyority 1

Collection Area: Rocky Mountain National Park (RMNP)

Flight Plan Name: D10_RMNP_R2_P1_v2_Q780

On-Station Time: 15:20 UTC / 09:20L

Flyority 2

Collection Area: Moab (MOAB) – Moab, UT

Flight Plan Name: D13_MOAB_R1_P1_v3_Q780

On-Station Time: 15:30 UTC / 09:30L

Flight Crew: Cameron Chapman (Lidar), Mitch Haynes (NIS), Elissa Barris (Ground)

Flight Collection Plan for 29 June 2020

Flyorities: Same as previous day

Flight Crew: Mitch Haynes (Lidar), Elissa Barris (NIS), Cameron Chapman (Ground)